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TX/RX NO.5012

27/07 10:09:00 10/12

## PATENT COOPERATION TREATY

From the:  
INTERNATIONAL SEARCHING AUTHORITY

To:

KASTROPIL, Anthony  
The White Gates  
Yan Yean Road  
PLENTY VIC 3090

PCT

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Applicant's or agent's file reference:  
TUBEROLL

Date of mailing  
(day/month/year) 23 JUL 2004

FOR FURTHER ACTION  
See paragraph 2 below

International application No.  
PCT/AU2004/000726

International filing date (day/month/year)  
1 June 2004

Priority date (day/month/year)  
23 June 2003

International Patent Classification (IPC) or both national classification and IPC  
Int. Cl.<sup>7</sup> B21B 19/06, 19/10, 37/78, B21D 3/04

Applicant  
KASTROPIL, Anthony

## 1. This opinion contains indications relating to the following items:

- |                                     |              |  |
|-------------------------------------|--------------|--|
| <input checked="" type="checkbox"/> | Box No. I    | Basis of the opinion   |
| <input type="checkbox"/>            | Box No. II   | Priority   |
| <input type="checkbox"/>            | Box No. III  | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability   |
| <input type="checkbox"/>            | Box No. IV   | Lack of unity of invention   |
| <input checked="" type="checkbox"/> | Box No. V    | Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/>            | Box No. VI   | Certain documents cited  |
| <input type="checkbox"/>            | Box No. VII  | Certain defects in the international application   |
| <input type="checkbox"/>            | Box No. VIII | Certain observations on the international application  |

## 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

## 3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the IPEA/AU  
AUSTRALIAN PATENT OFFICE  
PO BOX 200, WODEN ACT 2606, AUSTRALIA  
E-mail address: pct@ipaustralia.gov.au  
Facsimile No. (02) 6285 3929

Authorized Officer

JASON FREMNATH  
Telephone No. (02) 6283 2127

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/000726

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: B21B 19/06, 19/10, 37/78, B21D 3/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPAT (IPC marks: B21B 19/06, 19/10, 37/78, B21D 3/04 and keywords: skew, roller, reduce diameter and like terms)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2144358 A (STANDARD TELEPHONES AND CABLE PLC) 6 March 1985 Abstract	1 - 56
A	Derwent Abstract Accession No. 85-120692/20, Class P52 SU 567235 A (LEVITAN) 7 December 1984 Abstract	1 - 56
A	EP 0550256 B (SUMITOMO METAL INDUSTRIES, LTD) 7 July 1993 Figure 7	1 - 56
A	US 4763504 A (NILSSON) 16 August 1988 Abstract	1 - 56

☐ Further documents are listed in the continuation of Box C☒ See patent family annex

- \* Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "G" document member of the same patent family

Date of the actual completion of the international search  
16 July 2004Date of mailing of the international search report  
23 JUL 2004Name and mailing address of the ISA/AU  
AUSTRALIAN PATENT OFFICE  
PO BOX 200, WODEN ACT 2606, AUSTRALIA  
E-mail address: pct@ipaustalia.gov.au  
Facsimile No. (02) 6285 3929

Authorized officer

JASON PREMNATH  
Telephone No: (02) 6283 2127

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**INTERNATIONAL SEARCH REPORT**  
Information on patent family membersInternational application No.  
**PCT/AU2004/000726**

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
GB	2144358				
SU	567235				
EP	0550256	JP	5177220	JP	5277511
				US	5477719
US	4763504	US	4494394	US	4711112
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					

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**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/AU2004/000726

**Box No. V** Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

**1. Statement**

Novelty (N)	Claims 1 - 56	YES
	Claims	NO
Inventive step (IS)	Claims 1 - 56	YES
	Claims	NO
Industrial applicability (IA)	Claims 1 - 56	YES
	Claims	NO

**2. Citations and explanations:****Novelty (N) and Inventive Step (IS)**

The documents cited in the International Search Report:

D1) GB 2144358

D2) SU 567235

D3) EP 0550256

D4) US 4763504

The claimed invention relates to an apparatus/ method for reducing the diameter, rounding or straightening a pipe. The cited documents disclose a similar apparatus/ method but none of them discloses all the essential features of the invention, in particular, a supporting cylinder for rotationally supporting the rollers.

The claims 1- 56 are novel and considered to involve an inventive step.

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# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/AU2004/000726

## Box No. I Basis of the opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
  - ☐ This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material
    - ☐ a sequence listing
    - ☐ table(s) related to the sequence listing
  - b. format of material
    - ☐ in written format
    - ☐ in computer readable form
  - c. time of filing/furnishing
    - ☐ contained in the international application as filed.
    - ☐ filed together with the international application in computer readable form.
    - ☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments: